

Figure 1B

Figure 1A

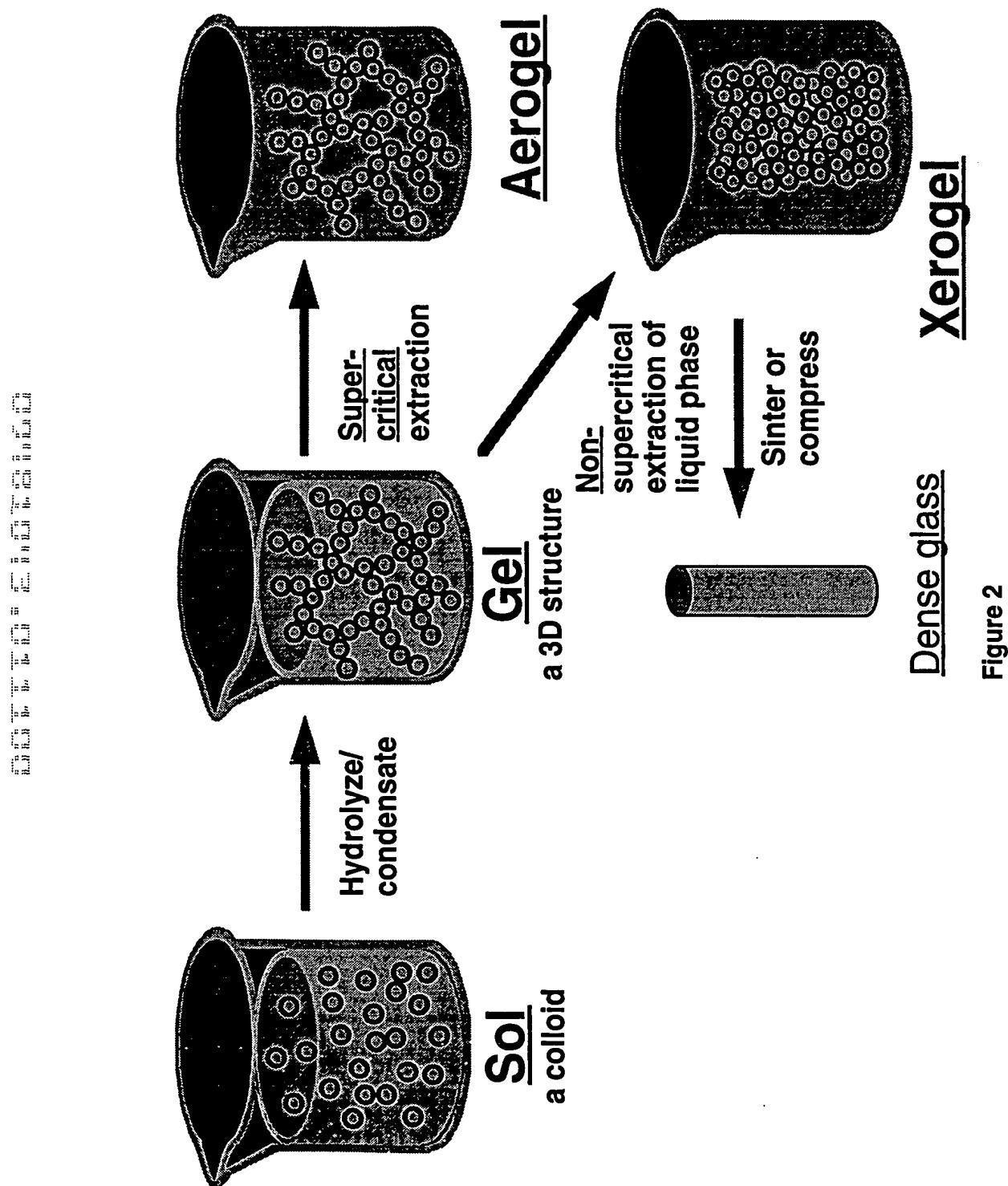
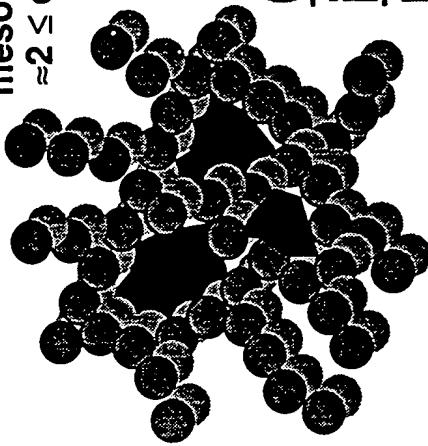


Figure 2

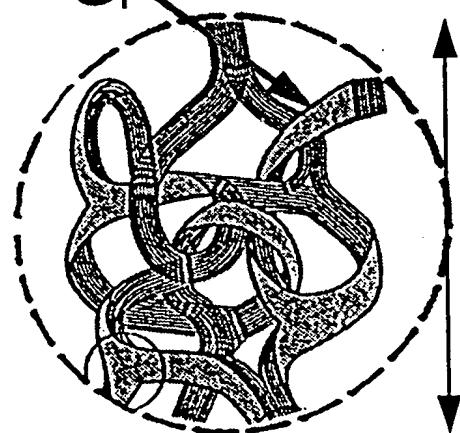
mesoporosity:
 $\approx 2 \leq d \leq \approx 50$ nanometer



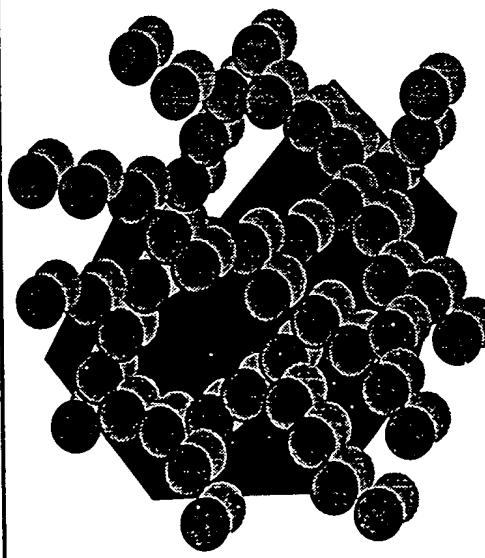
Crystallites in pores may be explosive

FIG. 3B

Gel may be explosive

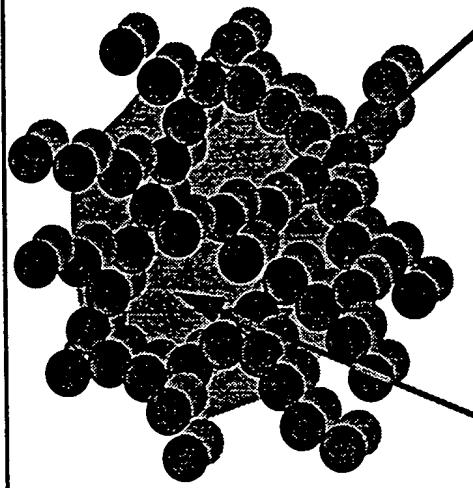


microporosity:
 $d \leq \approx 2$ nanometer



Explosive powders may be added to gel network

FIG. 3A



This may contain an oxidizer or fuel This may be a fuel or oxidizer

FIG. 3D

FIG. 3C

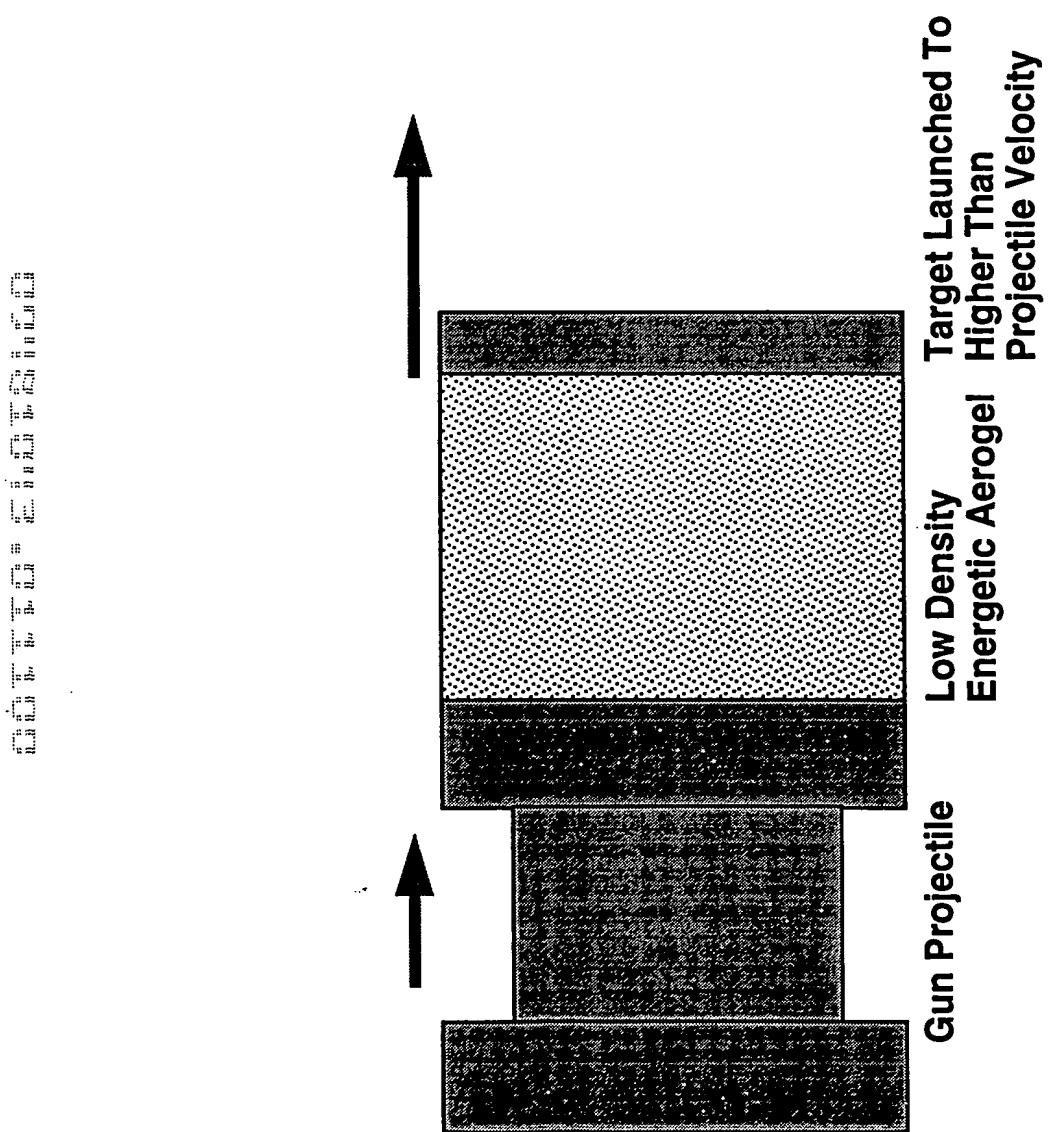


Figure 4A

Energetic gel

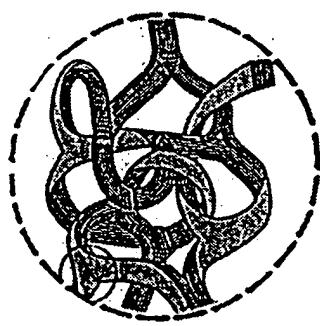


Figure 4B

Nanocrystalline

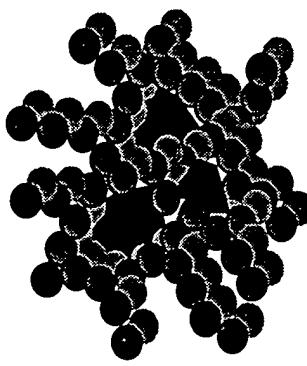


Figure 4C

- Examples:
 - Traditional
 - Energetic gas generators
- Resorcinol**
-
- Benzene-1,3-dithiol**
-
- PGN**
-
- PNIMMO**
-
- LLM-101**
-
- GAP**
-
- BAMO**
-

Figure 5

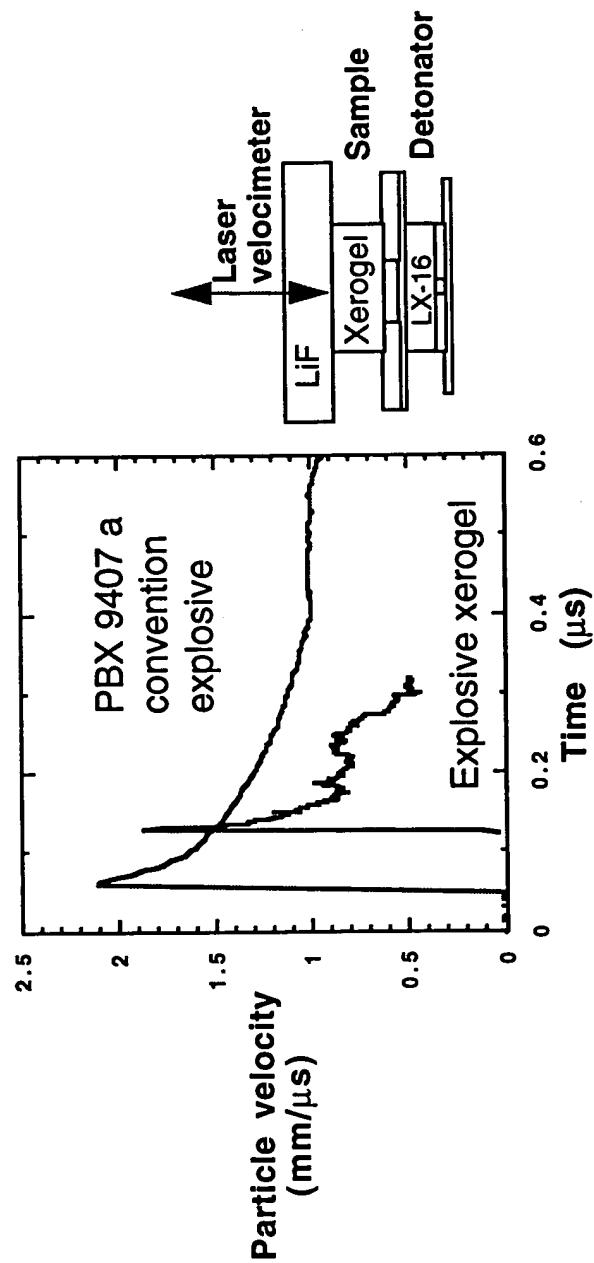


Figure 6. Data and experimental configuration